MASTER PLANNING OVERVIEW

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Operation Plan #01-001 Installation Master Planning

- **Purpose**
- **Situation**
  - Challenges
  - Assumptions
  - HQs Emphasis on Master Planning
- **Mission**
  - Tasks
    - Operation Plan – Sustainability
    - Operation Plan – GIS
    - Operation Plan – CIP AF/PT
- **Execution**
  - Garrison Commander's Role
  - Concept of Operations => VISION!!!
  - Process
  - Requirements & Documents/Standards
- **Service Support**
- **Command and Signal**

~~Garrison Commander's Role:~~ "The Installation Steward"

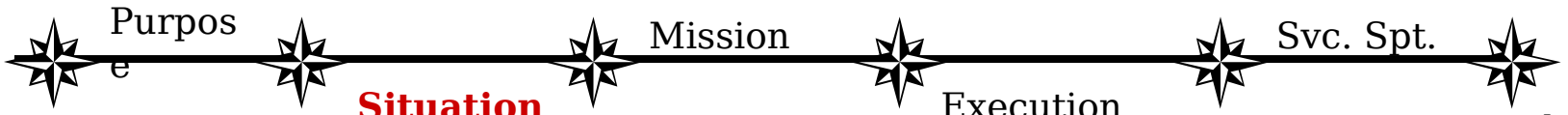
Stewardship…. the conducting, supervising or managing of something…especially: the careful and responsible management of something **entrusted to one's care**…

Purpose

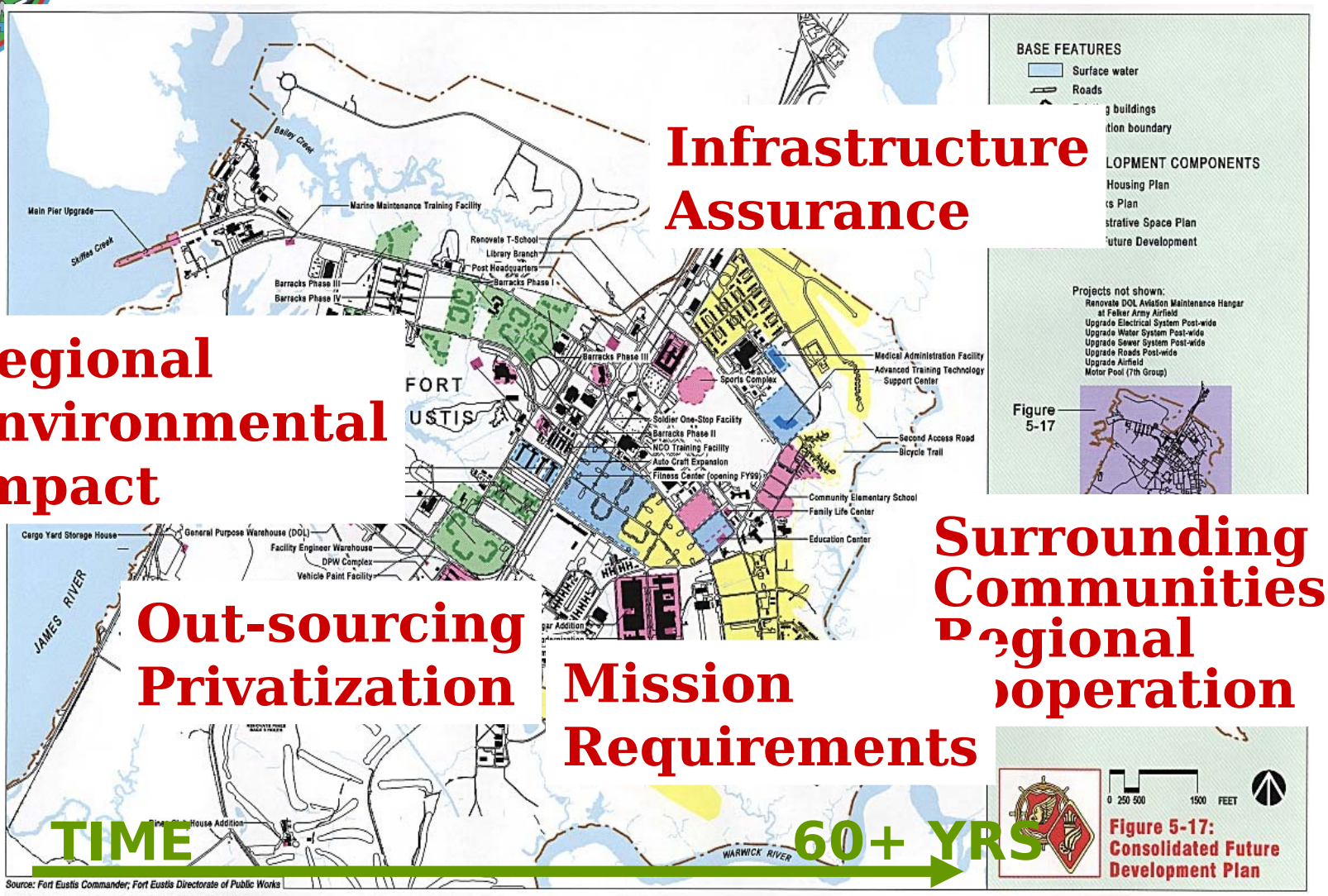
To develop a real property master plan for the future development and stewardship of your Army installation.

Situation

- **Challenges**
- **Assumptions**
- **Headquarter's Emphasis on Master Planning**



Challenges


Infrastructure Assurance
Regional Environmental Impact
Out-sourcing Privatization
Mission Requirements
Surrounding Communities Regional Cooperation
TIME
60+ YRS
BASE FEATURES
Surface water
Roads
Projects not shown:
Renovate DOL Aviation Maintenance Hangar at Felker Army Airfield
Upgrade Electrical System Post-wide
Upgrade Water System Post-wide
Upgrade Sewer System Post-wide
Upgrade Roads Post-wide
Upgrade Airfield
Motor Pool (7th Group)
Figure 5-17
Figure 5-17: Consolidated Future Development Plan
FORT EUSTIS
JAMES RIVER
WARWICK RIVER
Source: Fort Eustis Commander; Fort Eustis Directorate of Public Works
SUMMARY DEVELOPMENT PLAN, FORT EUSTIS, VIRGINIA
5-58

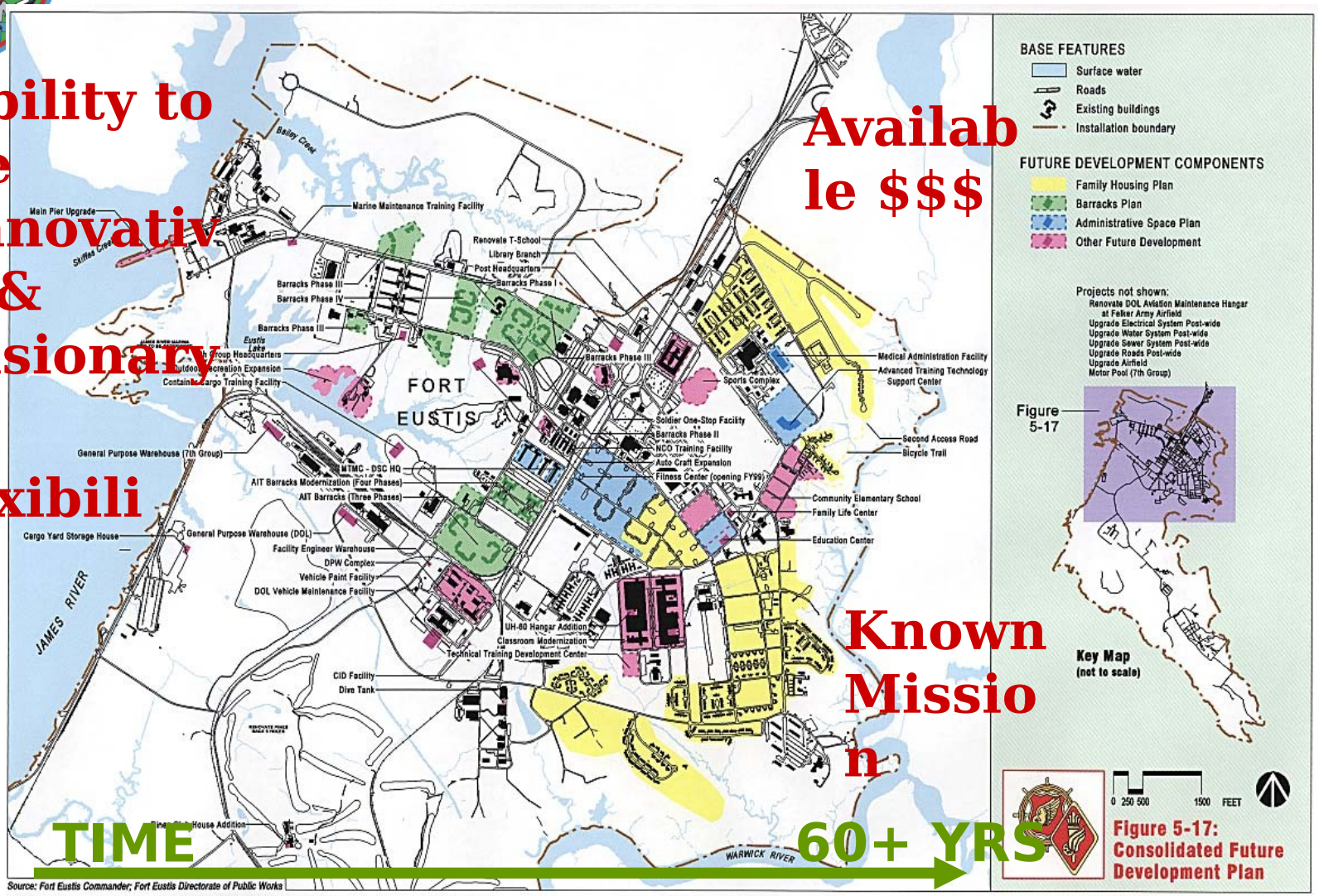
Assumptions

Ability to be Innovative & Visionary

Availab le $$$

Flexibili ty

Known Missio n



TIME → **60+ YRS**

Source: Fort Eustis Commander; Fort Eustis Directorate of Public Works

SUMMARY DEVELOPMENT PLAN, FORT EUSTIS, VIRGINIA

5-58

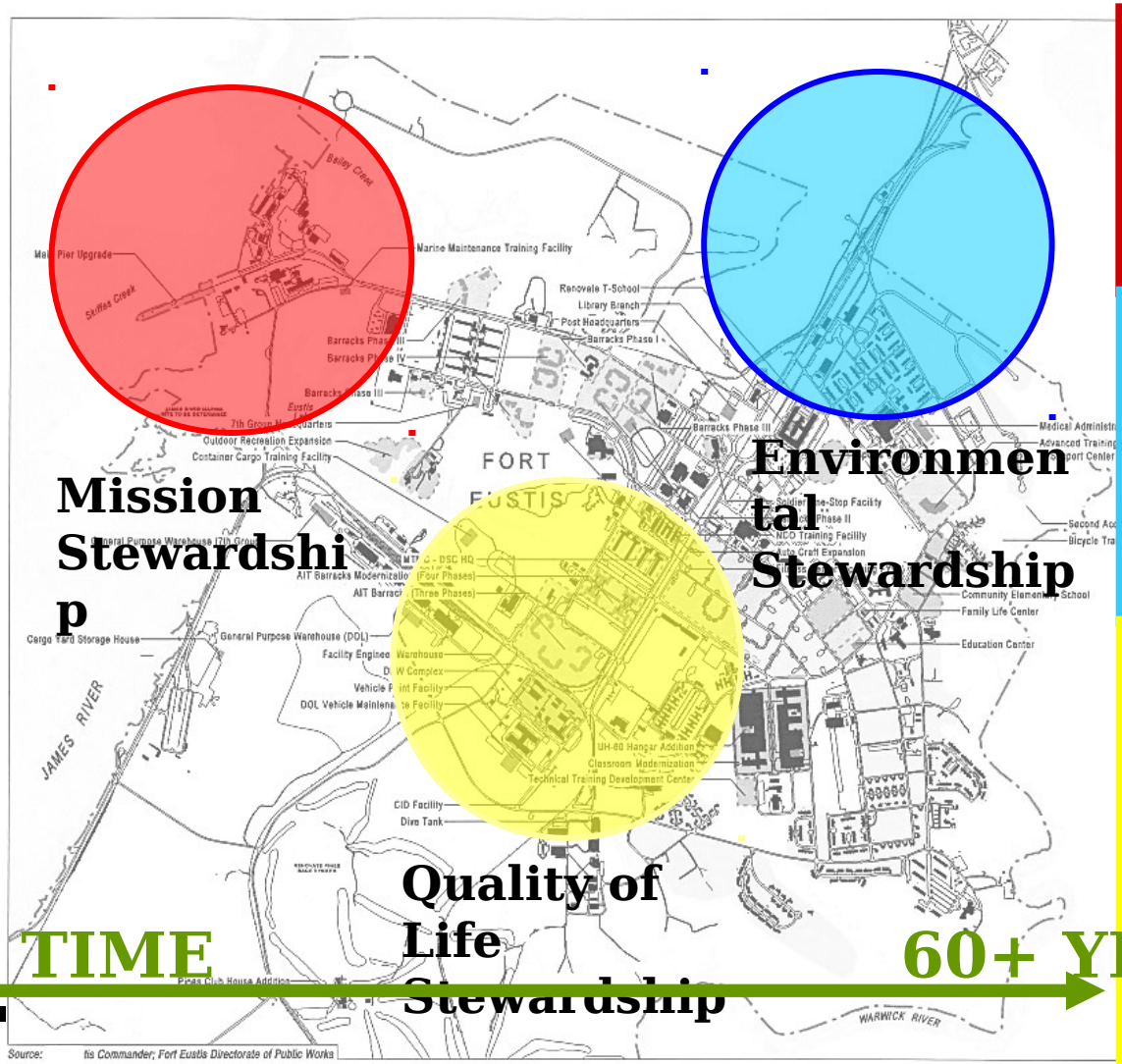
Headquarter's Emphasis on Master Planning

Garrison Commanders:

- **The master plan is the life's blood of the installation's future.**
- **You must have the following fundamental pieces of this process to be successful:**
  - **Real Property Master Planning.**
  - **Installation Strategic Plan.**
  - **Executive Planning Board (EPB).**
- **Master planning is not an occasional pursuit; it is not optional; it is a continuous process that must be worked skillfully and hard. It is the process that enables proper decisions on the use and preservation of our land and infrastructure, ensures good stewardship of construction resources and builds enduring installations.**

Source: Netcall #10, MG Aadlund, Director, HQ-IMA and AR5-3 being rewritten

Garrison Commander's Role: Installation Steward

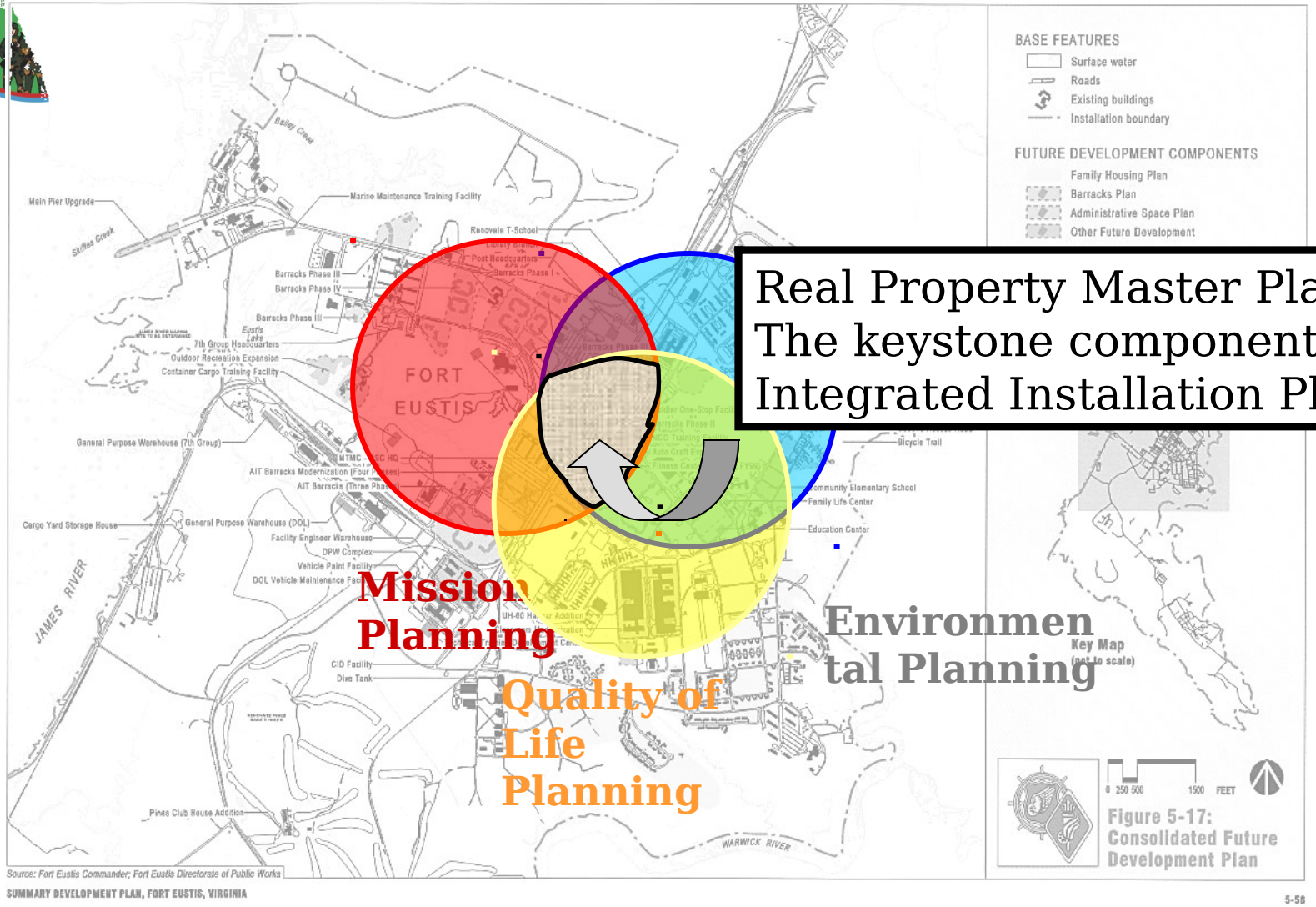


Mission Stewardship
- ✓Mission Requirements
- ✓Range & Training Land
- ✓Critical Infrastructure Protection

Environmental Stewardship
- ✓Natural/ /Cultural Mgt
- ✓Environmental Mgt
- ✓Noise
- ✓Sustainability

Quality of Life Stewardship
- ✓Soldier, Civilians and
- ✓Dependents
- ✓Working Environment
- ✓Transportation
- ✓Recreation
- ✓Surrounding Comm

TIME → **60+ YRS**


Real Property Master Planning
The keystone component to
Integrated Installation Planning
Mission Planning
Environmental Planning
Quality of Life Planning
BASE FEATURES
Surface water
Roads
Existing buildings
Installation boundary
FUTURE DEVELOPMENT COMPONENTS
Family Housing Plan
Barracks Plan
Administrative Space Plan
Other Future Development
FORT EUSTIS
JAMES RIVER
WARWICK RIVER
Key Map
Figure 5-17:
Consolidated Future
Development Plan
Source: Fort Eustis Commander; Fort Eustis Directorate of Public Works
SUMMARY DEVELOPMENT PLAN, FORT EUSTIS, VIRGINIA
5-58

Installation Planning Documents

Real Property Master Plan

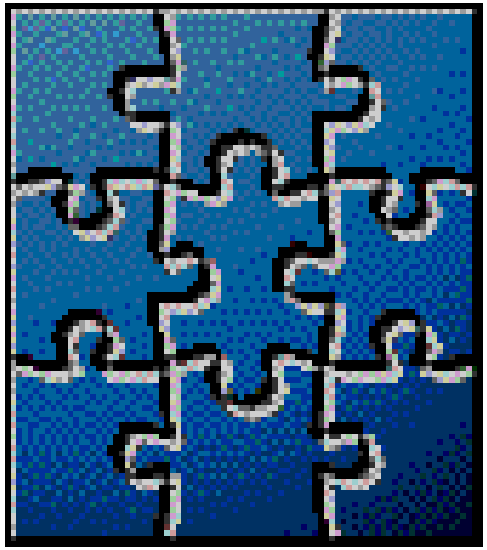
Keystone to installation integrated planning

Facilitates the Installation Master Plan

Integrated Natural Resources Management Plan

Installation Management Action Plan

Range & Training La Master Plan



Information Systems Plan

Local Community Developmen Plans

Physical Security Plan

Housing Master Plans

Environmental Management Plans

Mission

- **To develop a real property master plan (RPMP) for the short-term, mid-term, and long-term development of your installation that ensures mission, quality of life, and environmental stewardship are achieved.**
  - **Task(s):**
    - **Operation – Sustainability**
    - **Operation – GIS**
    - **Operation – CIP/AT/FP**

Sustainable Develop

Meeting the needs of the present without compromising the ability of future generations to meet their own needs

RP planning sustainability focuses on the life cycle of the built environment in an environmentally and energy efficient manner.

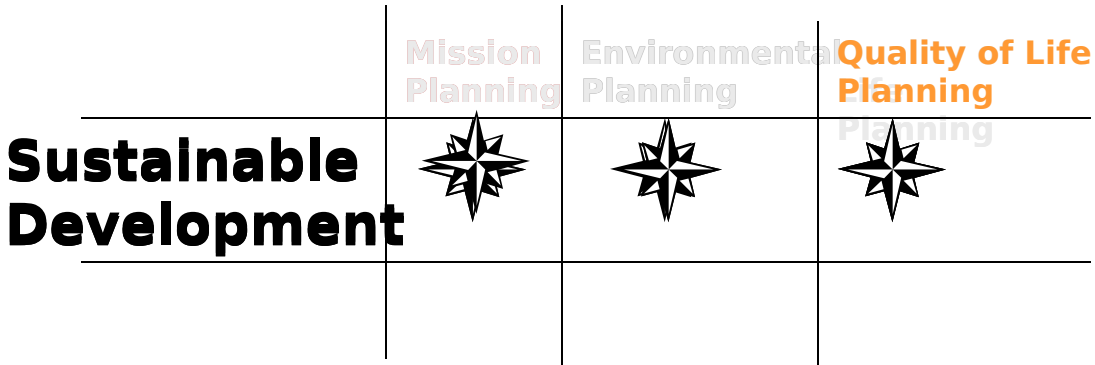
Cost effective solutions that look at BOTH first and life-cycle costs, energy savings, reduced emissions and the use of recycled materials.

Quality of Life Planning

Improve housing opportunities for soldiers and dependents vs creating problems with transportation, run-off, accessibility, increased operation costs

Improving work environment, for installation while meeting energy use limits, accessibility problems

Changing QoL needs for soldiers and their families



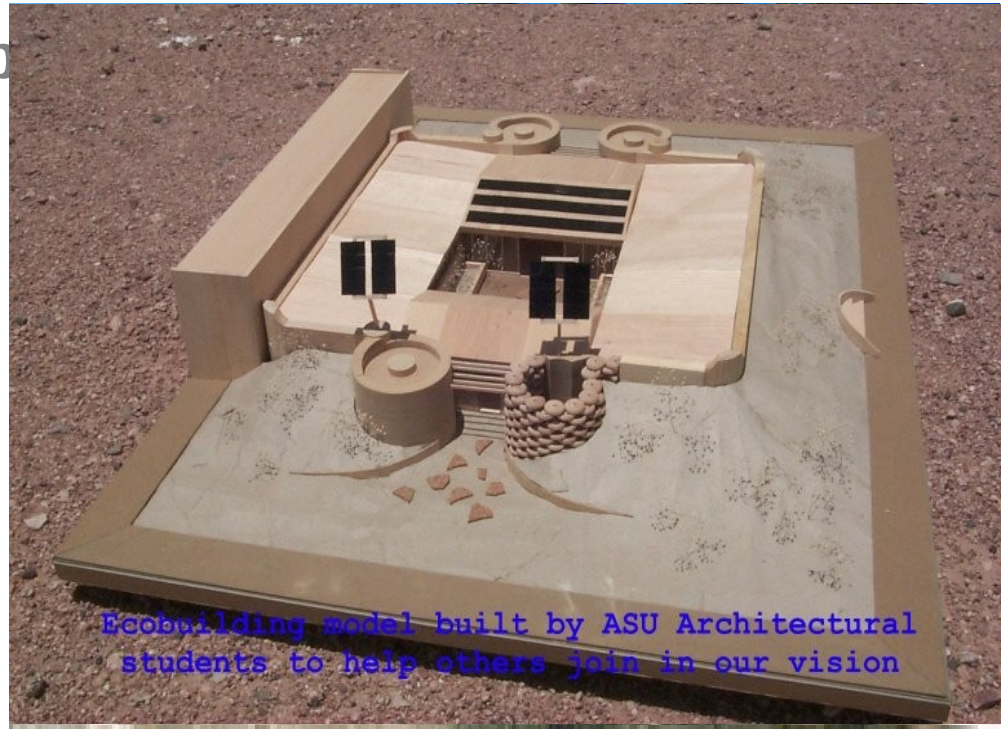
Sustainable Develop

SOLUTION
S

Develop innovative Re-use plans versus building new facilities

Insist capital improvements include energy efficiency/ and other sustainable designs

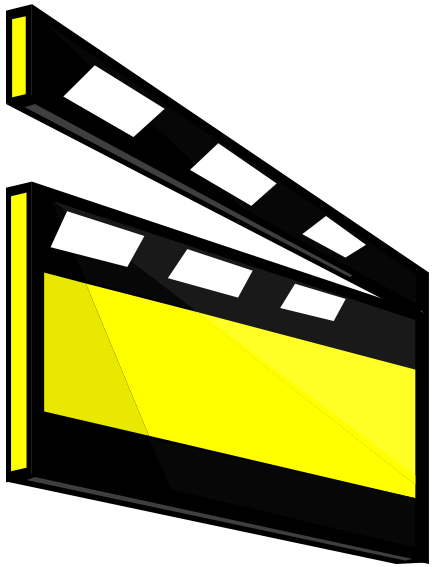
Promote the expansion of installation to "natural environment"



Sustainable Development

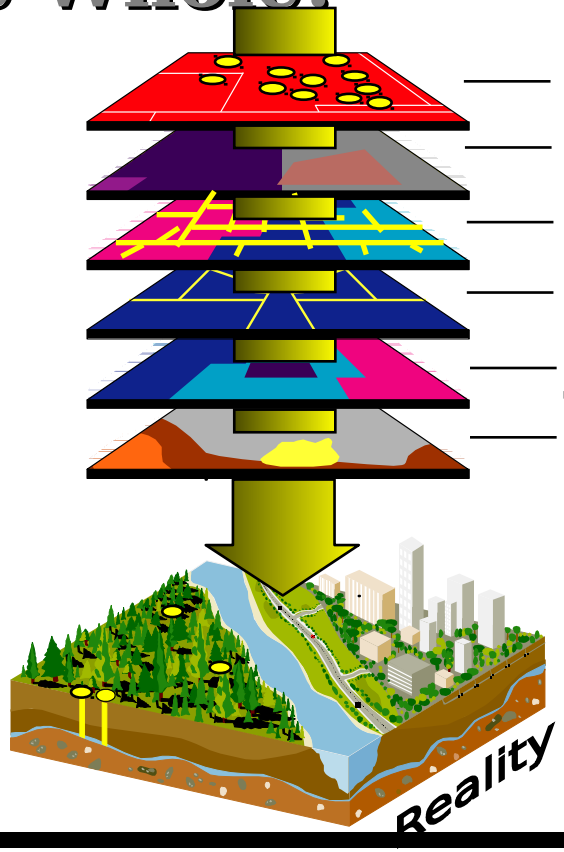
Mission Planning | **Environmental Planning** | **Quality of Life Planning**

Sustainability Video



How Do We Bring It Together?

- **GIS Integrates All the Parts…to See the Whole!**



Buildings/Facilities

Natural and Cultural Resources

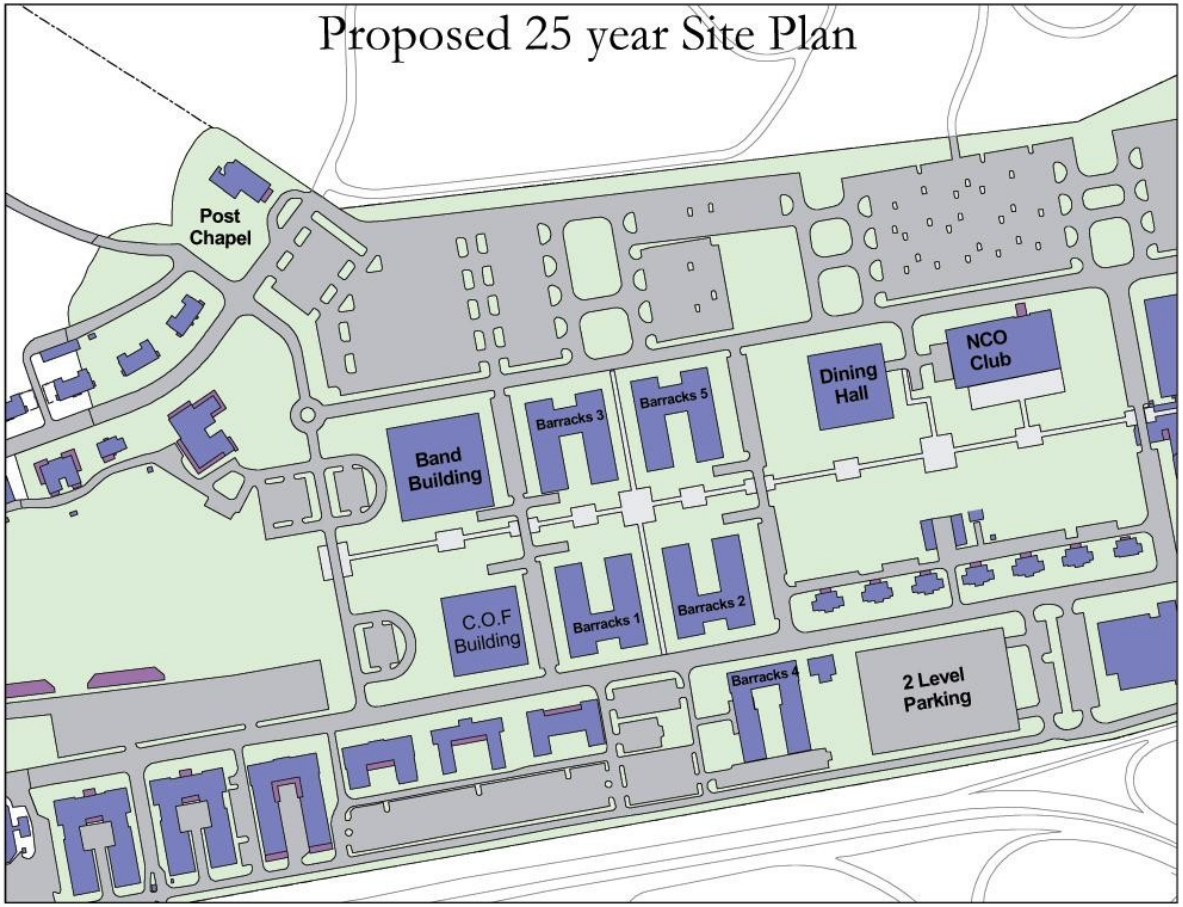
Roads and Utilities

Boundary Lines

Training Areas

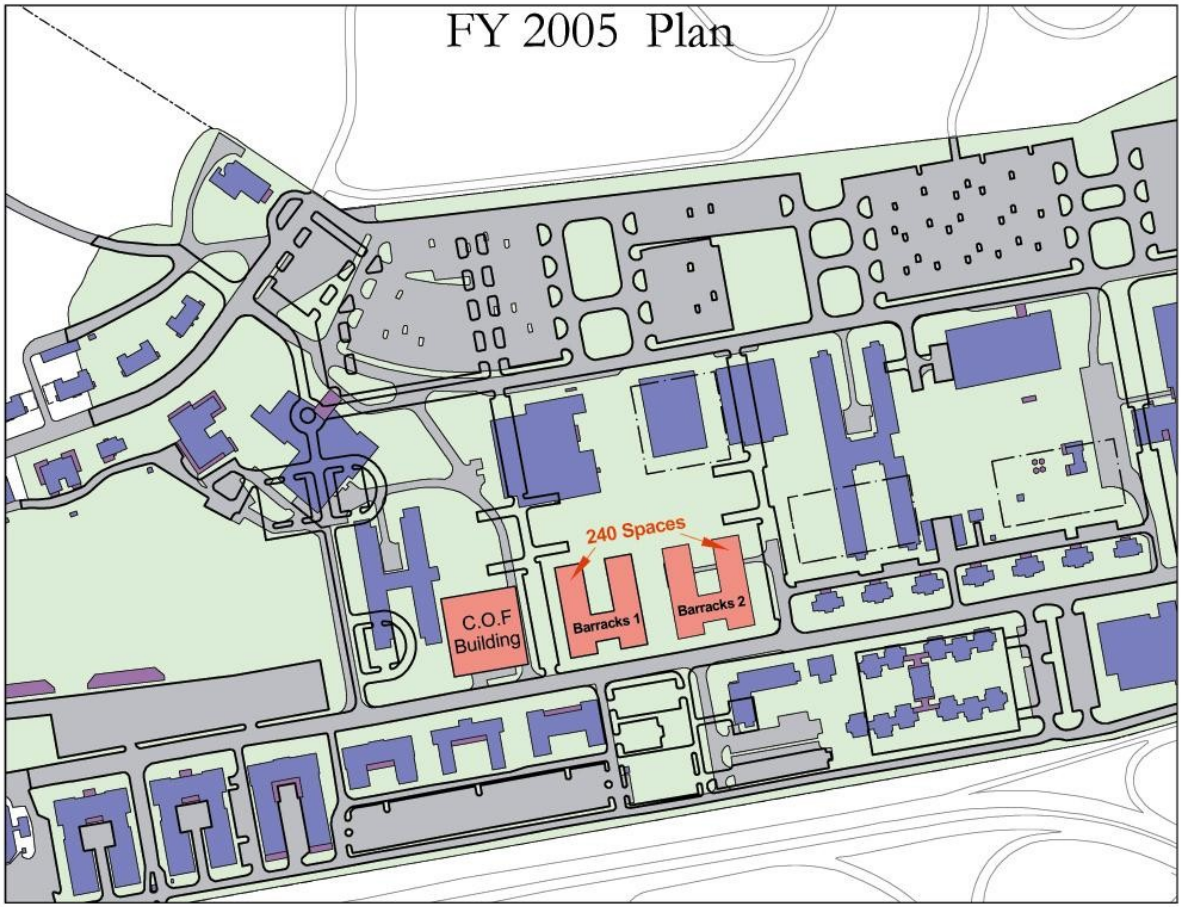
Surrounding Community

Master Planning – Site Plans

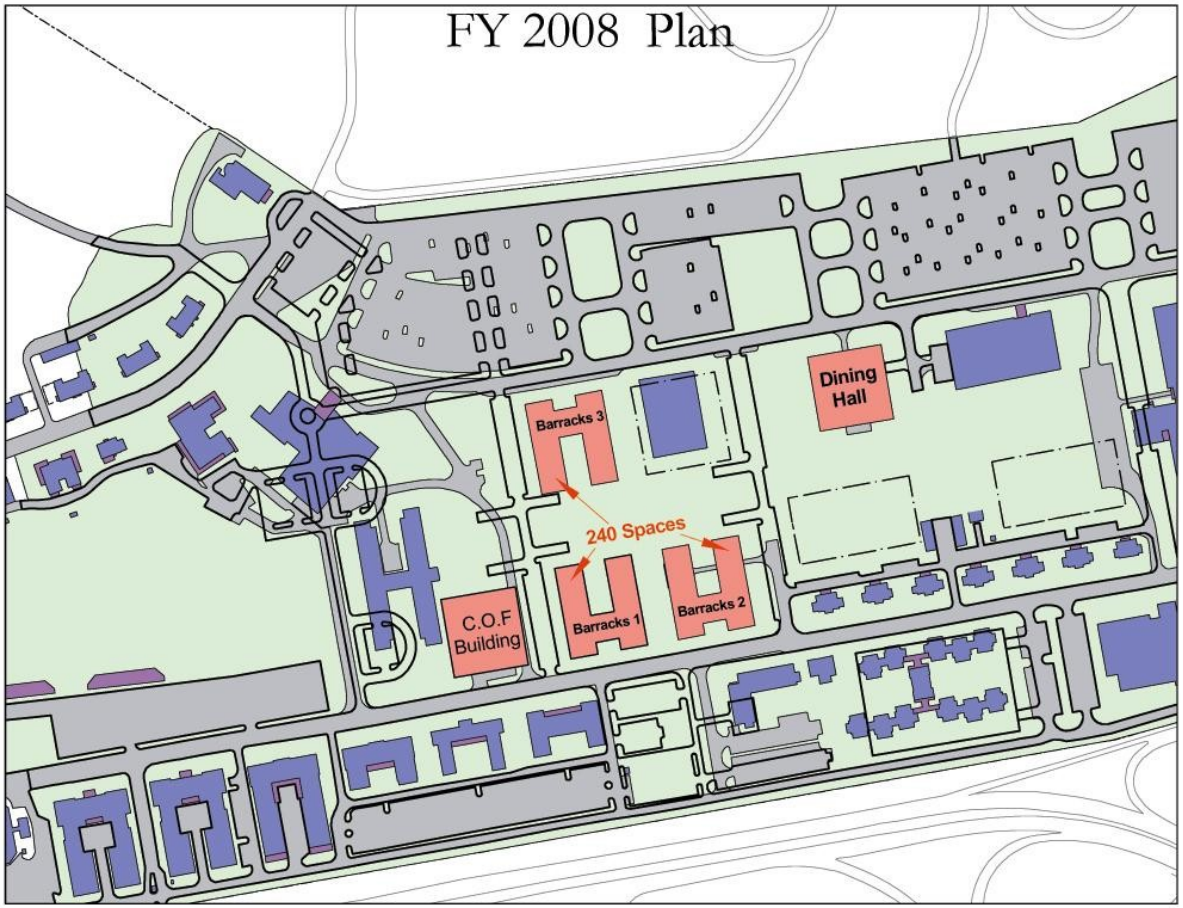


Master Planning Area Development Plans

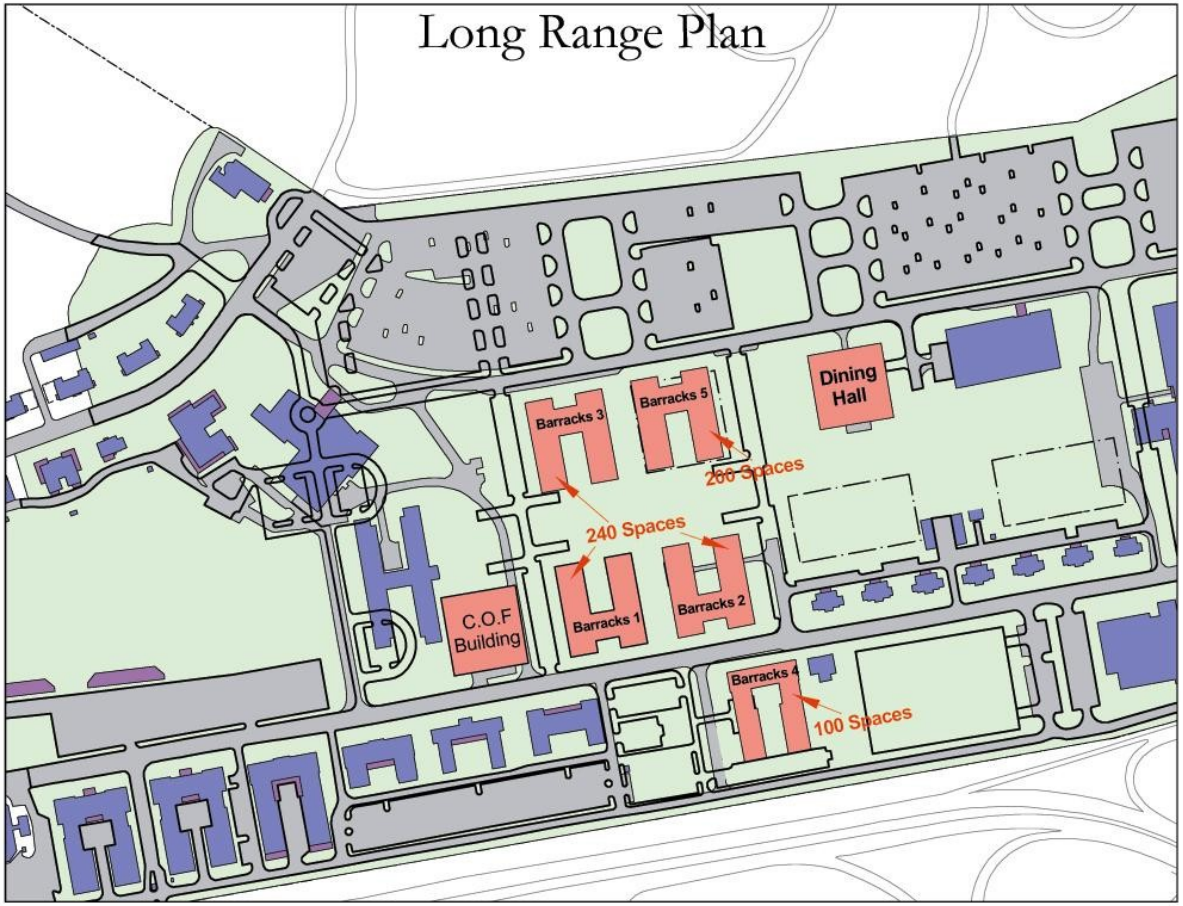
Master Planning Area Development Plans



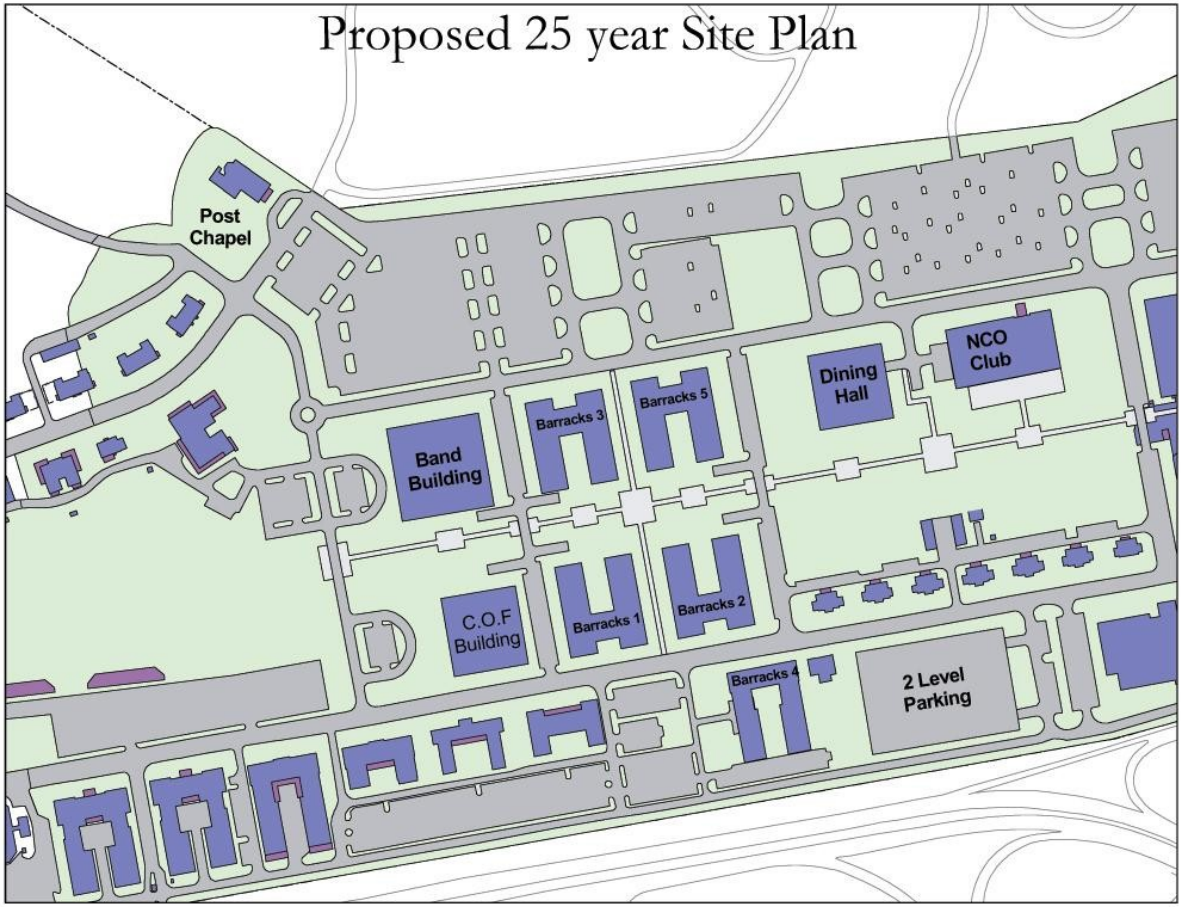
Master Planning – Site Plans



Master Planning – Site Plans



Master Planning – Site Plans



Critical Infrastructure Prot

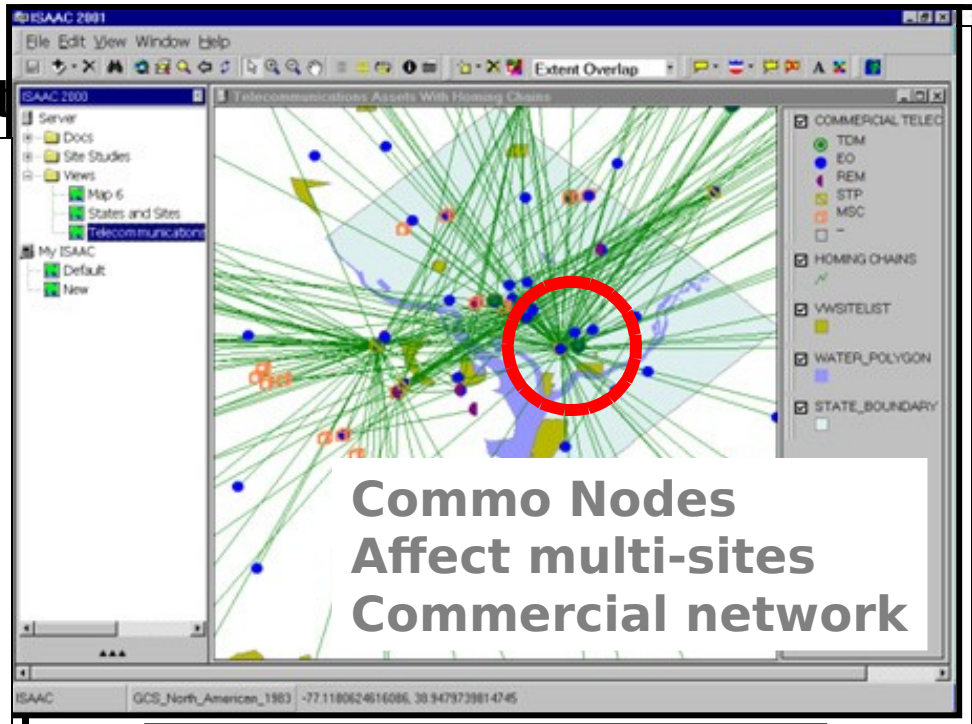
Infrastructure Assurance Recommendations

Consider Infrastructure Assurance concerns in utility/transportation planning efforts

When out-sourcing ensure Infrastructure Assurance Concerns are addressed

Make sure Utility out-sourcing includes provision to provide system maps

Improve regional planning cooperation



Telecommunications Networks

es

Critical Infrastructure Protection

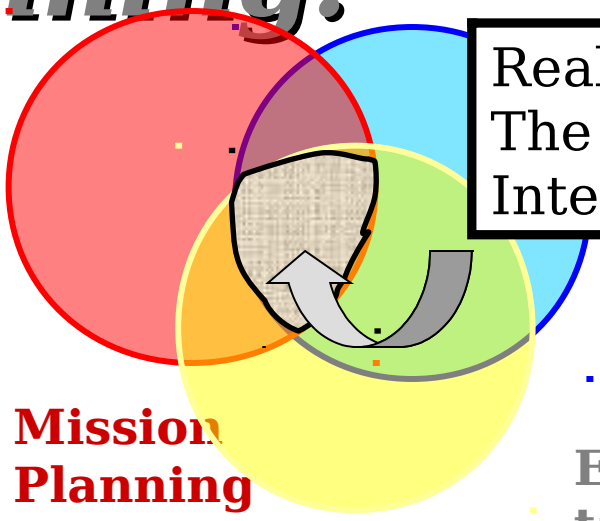
- ✓**Must understand commercial/ off post Networks**
- ✓**Non-structural solutions can be developed**

Execution

- **Garrison Commander's Role**
- **Concept of Operations => VISION!!!**
- **Process**
- **Requirements & Documents**

Garrison Commander's Role:

"To champion Real Property Master Planning."



Real Property Master Planning
The keystone component to Integrated Installation Planning

Installation Roles and Responsibilities

- **Garrison Commanders must:**
  - ✓ **Ensure the installation Master Plan is prepared and maintained.**
    - Establish a Real Property Planning Board.
    - Ensure that the RP needs of all installation and tenant units and supported activities are known and reflected in the RPMP.
  - ✓ **Ensure all major repair, minor and major construction and real estate acquisition/disposal activities, regardless of fund source are consistent with and included in the approved RPMP.**
  - ✓ **Maintain an accurate RP inventory.**

Master Planning is coordination, cooperation and communication

Concept of Operation

-VISION

- ***Defined*:**
  - ***The unusual capability in discernment or perception: intelligent foresight***. *(Source: Merriam Webster's Dictionary, 2003.)*

- ***Visioning***:
  - ***The act or power in which one sees or conceives of something***. *(Source: MerriamWebster's Dictionary, 2003.)*

Considerations in Master Planning

- VISION
  - Meshing of installations missions and community
  - Visual Image
  - Sense of "Home"
- Sustainability
  - 67 year decisions
  - Renewable vs. depletion of resources
  - Cost of doing it vs. not doing it
- AT/FP – Critical Infrastructure

What Does Vision Look Like?

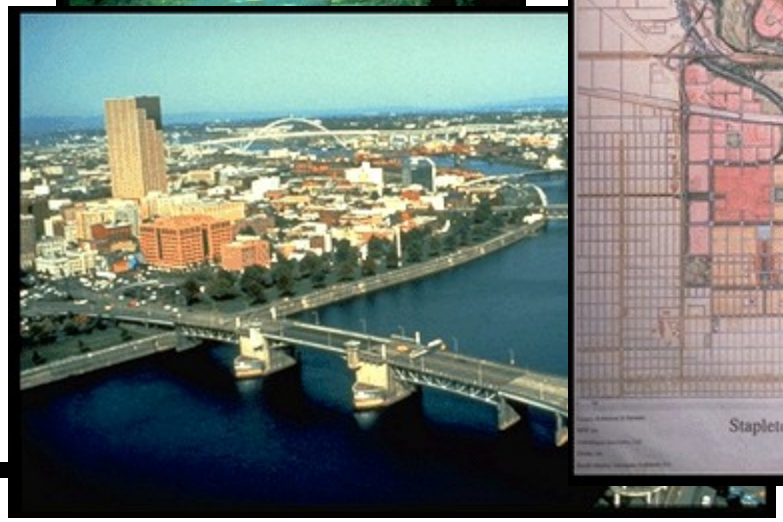
"For those who believe that planning always fails, and to curb the impatience of others who expect planners to solve problems 'right now', good planning sometimes takes time to bear fruit. This is so that the long-term quality and livability/workability of communities are not left to chance."

Gene Bunnell, AICP, Author – Making Places Special

What Is Vision?

“ Do I think architects, planners and preservationists can change the world? Yes, I do. You can design communities and an culture, and not just buildings and spaces.”

Robert A. Peck, esq., Hon. AIA, Architecture DC Magazine, Winter 2003



What Does Vision Look Like?

"Managing and sustaining the development, operations, and missions of our installations will be impossible without adequate planning, and adequate planning takes VISION"

Tracy P. Wilson, HQUSACE, 2003

What Does Army Vision Look Like?

Process

1. **Establishing**
2. **Inventorying**
3. **Describe Mission Demograph**
4. **Define Requirements**
5. **Develop alternatives/ Identify**
6. **Take Action**

Requirements & Documents

- Real Property Master Plan
- Supporting Plans
- Responsibilities
  - Garrison Commander for RPMP
  - Real Property Planning Board
  - Installation (Strategic) Planning Board

Real Property Master Plan

- Real Property Master Plan Digest
- Installation Design Guide
- Long-Range Component
- Capital Investment Strategy
- Short-Range Component

Contributing Plans/ Documents

Local Community Plans

RP Master Planning Template

- **IDG**
- **MP Graphics**

Web enabled Products

RPMP Improvements

Accurate Baseline Information
Relevant
Affordable
Flexible

File Edit View Favorites Tools Help

Back Search Favorites History

Address http://www.mantech-mec.com:8500/army_ids/index.cfm Go Links

ARMY IDS LINKS

- IDS Homepage
- Executive Summary
- INDEX
- Table of Contents
- Summary of Changes
- Download Army IDS
- IDS Comment & Suggestion Workspace
- Good Ideas

ARMY IDS E-NEWS

- IDS E-News

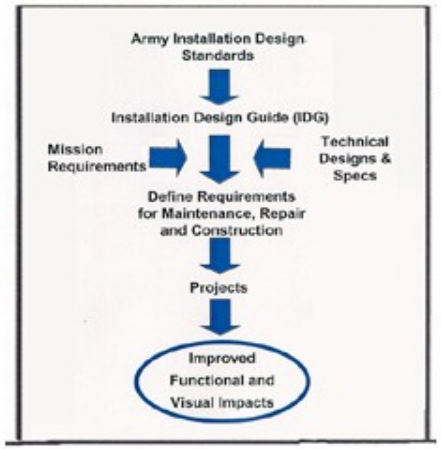
TECHNOLOGY

- Standard Designs Technology Issues
- Technology Issues
- Technology Comment & Suggestion Workspace
- Good Ideas

RELATED LINKS

- Army Homepage
- ACSIM Homepage
- Director, IMA Homepage
- Federal Real Property Management

Welcome to the Army Installation Design Standards (IDS) Homepage



The ***Army Installation Design Standards*** provides the mandatory common facility and infrastructure standards for all Army installations. It is also designed to serve as a model from which Army installations, using the required Army standards and guidelines given throughout the document, can build their installation specific Installation Design Guide (IDG), as a tool for implementing the Army Installation Design Standards.

The IDG, in conjunction with mission requirements and technical designs and specifications, defines the requirements for an installation's maintenance, repair, and construction projects. When executed, these projects will improve the functional and visual aspects of our Army installations.

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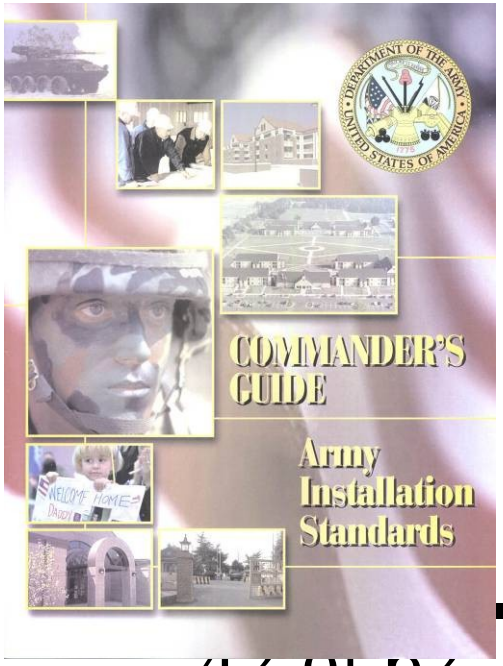
Done Internet

IDS Background

VCSA approved fielding / implementation 22 April 2003

- ✓ **Defines the Army standards for site planning, buildings, vehicular and pedestrian circulation, landscaping, site elements (i.e., signs, utilities), force protection, and sustainable design.**
- ✓ **Framework for the *Installation Design Guide* (IDG) process**



Army Installation Design Standards (IDS)

The Standards provide:

- ✓ **Standardization across all of our posts and garrisons.**
- ✓ **Sense of community, order, tradition, and pride.**
- ✓ **Guidance on cost-effective resource investment.**
- ✓ **Sustainability, reliability, and efficiency.**

Source: Commander's Guide to Army Installation Standards 1 October 2002

Features of the Standards

- **Entirely Web enabled**

http://www.mantech-mec.com:8500/army_ids/index.cfm

Or reference Tab on ACSIM Home Page
http://www.hqda.army.mil/acsimweb/homepage.shtml

- **Hyperlinked to specific standards ~ a virtual library of all applicable design standards in a single source**

- **User friendly and easily updated**

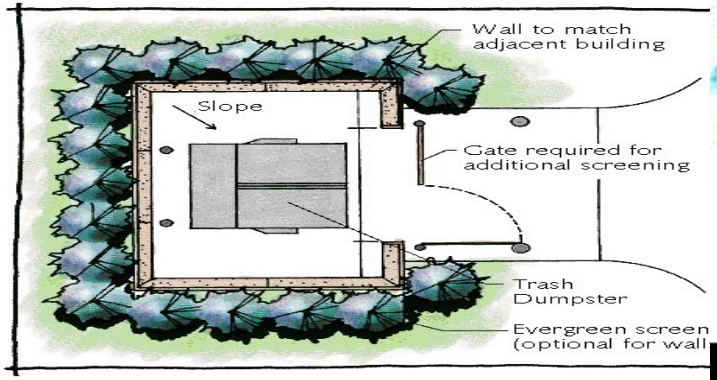
- **Changes by electronic newsletter *"IDS E-News"***

Commander's Guide - Installation Standards

Components:

1. Installation Entrances Signs
2. Access Control Points (ACP)
3. Landscapi
4. Antiterror Protection
5. Curbs, Gu

Pla



Enclose Dumpsters with Walls, or Fences, or Plantings and Place on Concrete Pad

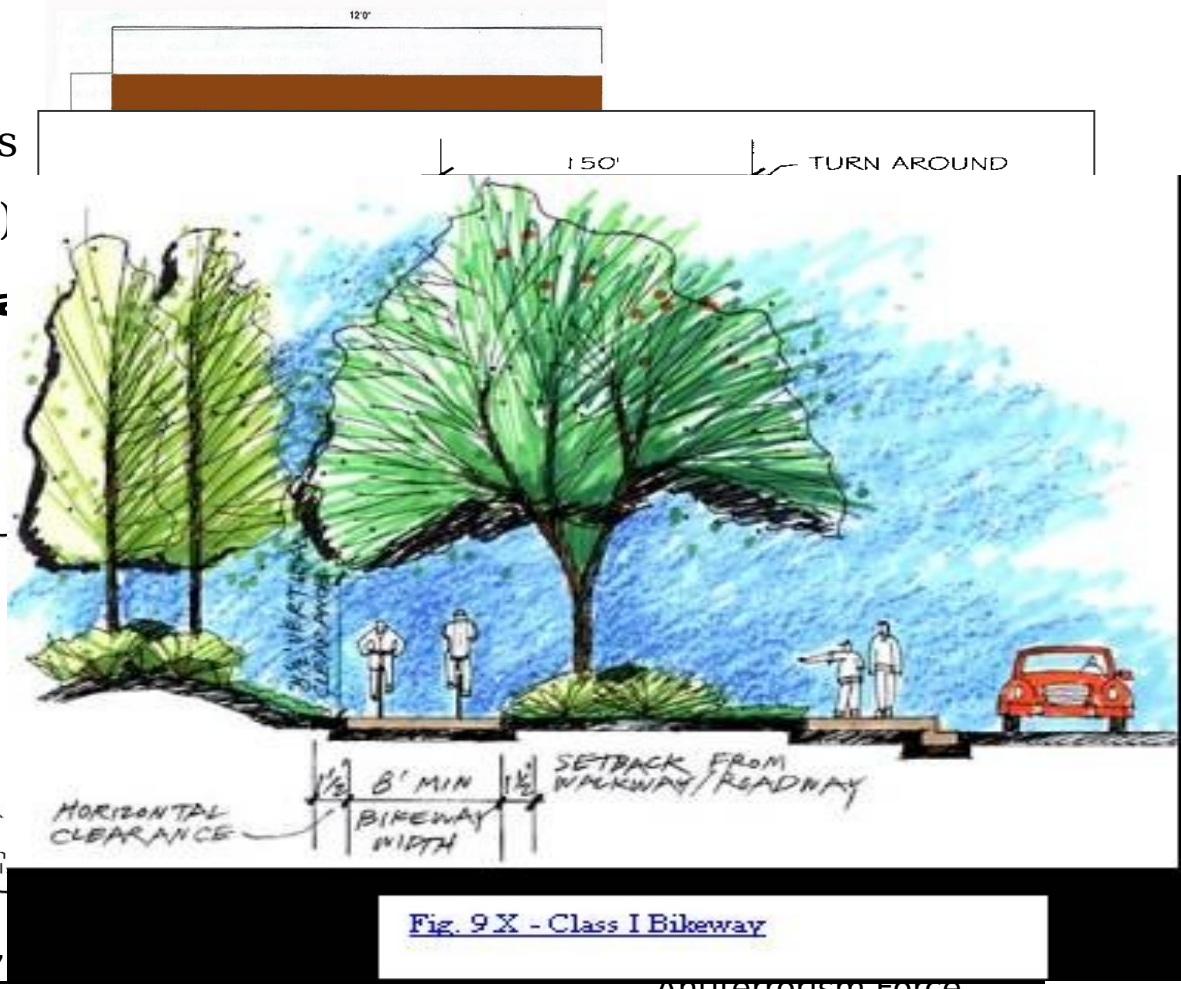
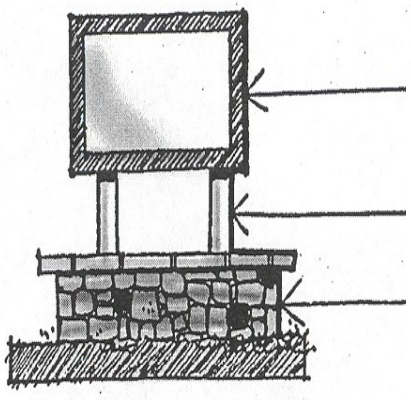


Fig. 9.X - Class I Bikeway

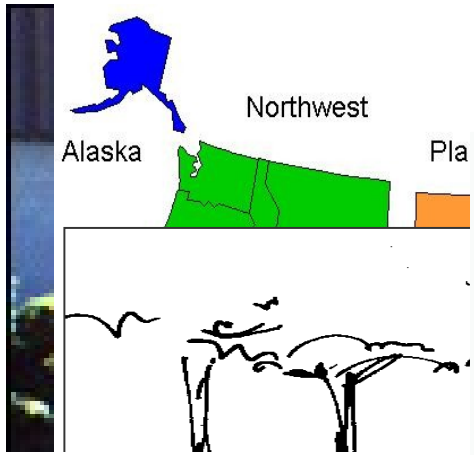
Commander's Guide - Installation Standards

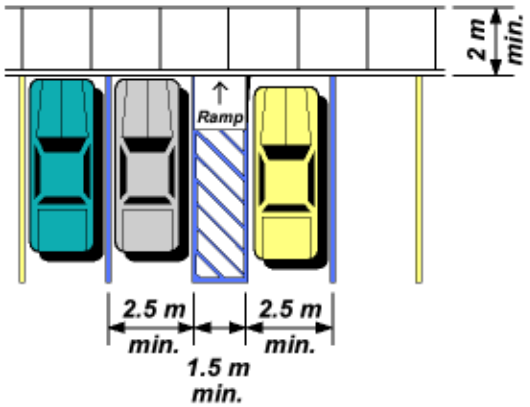
Components:

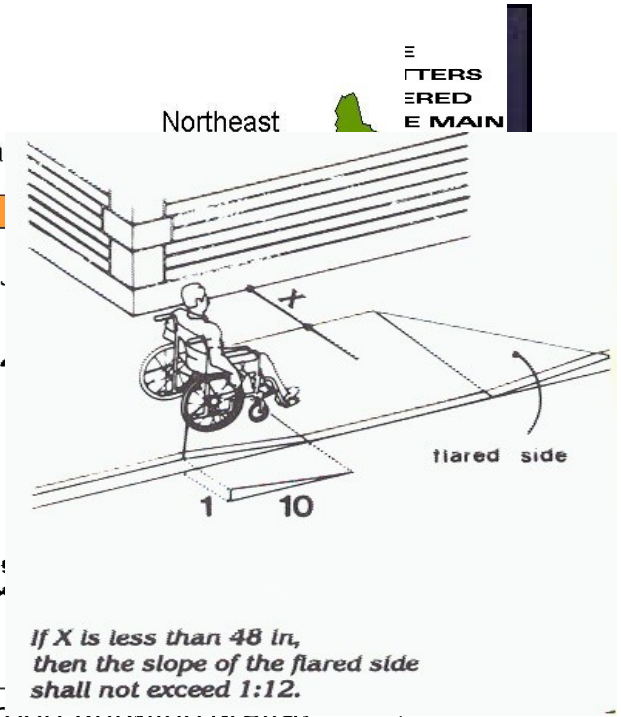
6. Building Identification
7. Street Addressing
8. Signage
9. Exterior Finishes
10.
11.



Establish Signing System







Provide parking, ramps, and curb cuts

Professional Interior Design Required for Habitable Spaces Selection of:

- **Furnishings**
- **Equipment**
- **Finishes**

Sustainable Project Rating Tool (SPIRIT) for Both:

- **New Construction**
- **Renovation**

Installation Design Guide (IDG

Each IDG will follow the IDS Army Standards and format by end of FY05

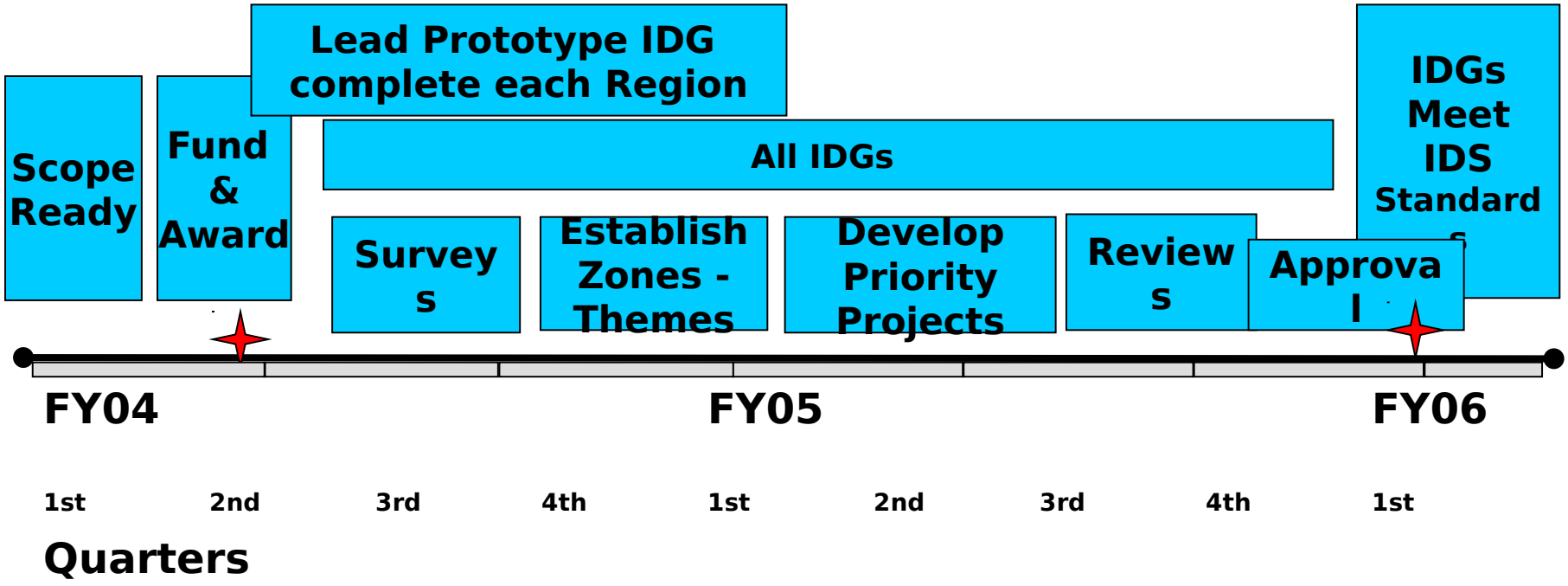
Status

- **IDG Analysis Study Report – 30 September 03**

- **Coordinated Army wide IDG Statement of Work with GSA**

- **Ready for funding by MIPR to GSA from installations / IMA**

Army Installation Design Guide
Timeline and Milestones



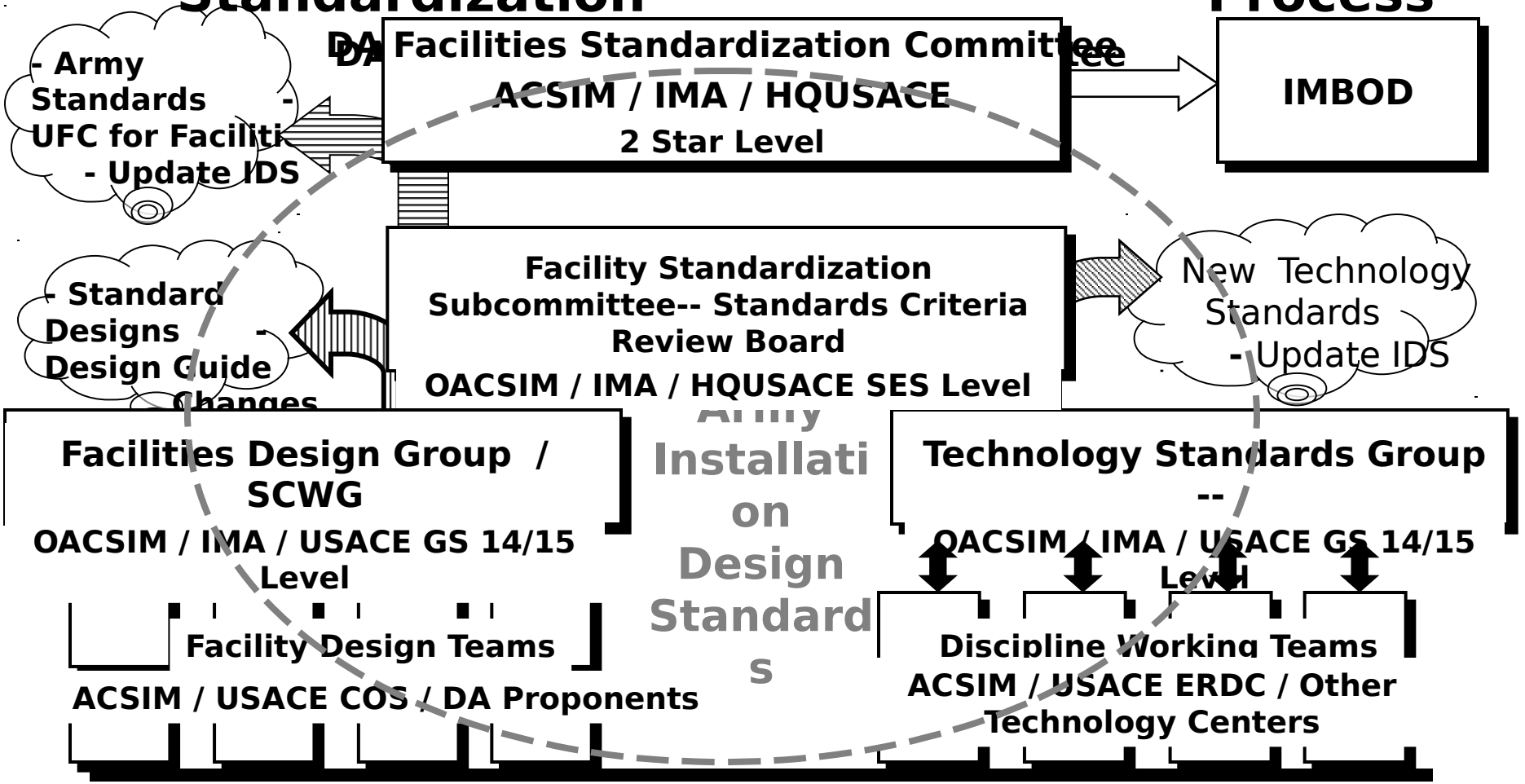
Army Facilities Standardization Committee (AFSC)

MG Lust, ACSIM, Chair

MG Aadland, Director IMA

MG Cheatham , CoE Military Programs

Approved Facilities & Technology Standardization Process


- Army Standards -
UFC for Faciliti
- Update IDS
DA Facilities Standardization Committee
ACSIM / IMA / HQUSACE
2 Star Level
IMBOD
- Standard Designs -
Design Guide Changes
Facility Standardization Subcommittee-- Standards Criteria Review Board
OACSIM / IMA / HQUSACE SES Level
New Technology Standards
- Update IDS
Facilities Design Group / SCWG
OACSIM / IMA / USACE GS 14/15 Level
Army Installation Design Standards
Technology Standards Group --
OACSIM / IMA / USACE GS 14/15 Level
Facility Design Teams
ACSIM / USACE COS / DA Proponents
Discipline Working Teams
ACSIM / USACE ERDC / Other Technology Centers

Cost for Implementing IDS
Initial Effort by IMA

Task	Estimate $M
Planning – studies	178.5
Site improvements	6,212.0
Building construction & improvements	39,889.0
Circulation improvements	8,653.6
Landscaping	3,764.0
Site elements	3,433.6
Signage & misc	439.7
Force protection	2,283.0

Use the Installation Design Guide (IDG)

- ✓ **Establish installation primary visual zones in IDG**
- ✓ **IDG compares each visual zone to Army IDS**
- ✓ **Projects developed to remove liabilities and enhance assets**
- ✓ **Garrison commander, RPPB, Prioritize Improvement Projects**
  & approval by Region Director
- ✓ **Focus Funding to implement the IDS Standards in each visual zone Army wide to meet the Standard**

Army IDS Way Ahead

- **Complete Investment Strategy**

  Lay out resource requirements to meet IDS standards on each installation for implementation and program in the Army budget Program Objective Memorandum (POM) FY2006 – 2011+

- **Development of all installation IDGs to meet IDS in FY04-05**

- **Establish areas of emphasis into the future**

- **IMA field ACSIM approved Implementation Plan and Investment Strategy**

Army Installation Design Standards Working Group

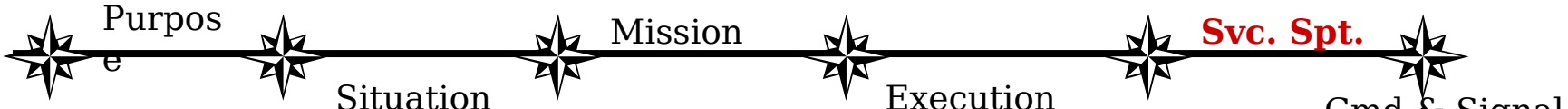
- **HQDA IDS Team**
  - **Larry Black, ACSIM Program Manager 703 604-2469 DSN 664-2469**
  - **Dale Means, HQ IMA Action Officer 703 602-3390**
  - **John Peasley, HQ IMA Master Planner 703 602-4488**
  - **Gary Burns, ManTech 703 814-8372**

- **IMA Regions**
  - **Jean Hecimovich, NERO 757 788-3987 DSN 680-**
  - **Hank Dangerfield, SERO 404 464-1046 DSN 367**
  - **Wayne Hamaguchi, PARO 808 438-7620**
  - **Martin Schroeder, NWRO 309 782-8293 DSN 793-**
  - **Dale Pedersen, SWRO 210 221-9453 DSN 471-**
  - **Norman Walters, EURO 06221-579109 DSN 370-8109**
  - **Lance Toyofuku, KORO DSN 315-738-3084**

- **Supported by Subject Matter Experts at All Levels**

Service Support

- Training
- References & Documents
- Tools
  - Automated Information/Data Tools
  - **Most Critical Technology Tool => GIS in Planning?!**



Master Planning Training

- USACE Prospect Master Planning Course

- Installation Management Institute Courses

- DPW Management & Operations Course

References & Documents

- AR 210-20, Master Planning for Army Installations
- Master Planning Instructions
- Army Criteria Tracking System
- Installation Design Guide Criteria & Standards (IDG)
- USACE Master Planning Web site:

  http://www.hq.usace.army.mil/isd/librarie/RP/rp.htm

- VISIONs' Newsletter, the periodical of Army RPMP

http://www.hq.usace.army.mil/isd/librarie/RP/rp.htm

Supplemental Support

- All members of the Garrison Staff
- Regional IMA staff
- MACOM and tenant organizations
- Army Corps of Engineers
- Other: Local planning agencies, colleges and universities,

American Planning Association

Automated Tools

- **Real Property Planning and Analysis System (RPLANS)**

  RP allowances/requirements

- **Headquarters Executive Information System (HQ-EIS)**

  FYDP, EFRs, ISR, GIS, etc.

- **Integrated Facilities System (IFS)**

  Real Property Inventory (RPI)

- **Army Stationing and Installation Plan (ASIP)**

  Authorized Force Strengths at Installations

- **Installation Status Report (ISR)**

  Installation Facility Quantity and Quality Status

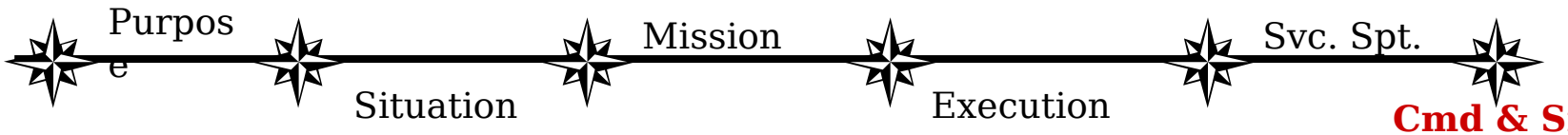
- **Geographic Information System (GIS)**

  Integrated Mapping and Tabular (descriptive) Data

Command & Signal

- Command
  - Garrison Commander
  - Real Property Planning Board (RPPB)

- Signal
  - Public Information via PAO
  - Intergovernmental Coordination



A Thing To Remember !!!!

"Not having a PLAN is to plan for failure!"

Q&A

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